

CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

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SECRET

25X1

25X1A

COUNTRY	USSR (Moscow Oblast)	REPORT NO.	
SUBJECT	Device for Painting a Band on the Inside Wall of an Iconoscope Tube 25X1C	DATE DISTR.	29 April 1953
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THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

25X1X

25X1

1. the Kinescope
25X1A Iconoscope-Oscillograph laboratory at Institute 160, design a machine or device for
25X1 applying a "thick silver paste", approximately 40 mm wide, to the inside wall of the
iconoscope tube.
2. The following is a description of this table-mounted device (This
25X1A device is illustrated on page 3.)
 - a. A small paint brush was clamped to the extremity of a metal arm approximately 60 mm in length.
 - b. The brush was dipped into the silver paste by manually raising a small dish of the paint to the brush.
 - c. The brush and arm were mounted on a small carriage which slides on tracks toward the mounted iconoscope tube.
 - d. The tube was also held in the correct position, in relation to the brush, by three metal fixed clamps which prevented

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STATE	#x	ARMY	#x	NAVY	#x	AIR	#x	FBI		AEC		CBI/PE	or x		
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the tube from sliding horizontally too far one way or the other.

e. The brush was then lowered slightly until it touched the inside surface of the tube. The tube was rotated manually 360 degrees until a single coating of the rather thick silver paste was applied. The width of the swath was approximately 40 mm.

f. The Soviets intended to operate this with an electric motor for production purposes but I don't know if they did.

3. ☐ finished the necessary designs approximately in late 1947. The machine itself was completed soon thereafter ☐

25X1

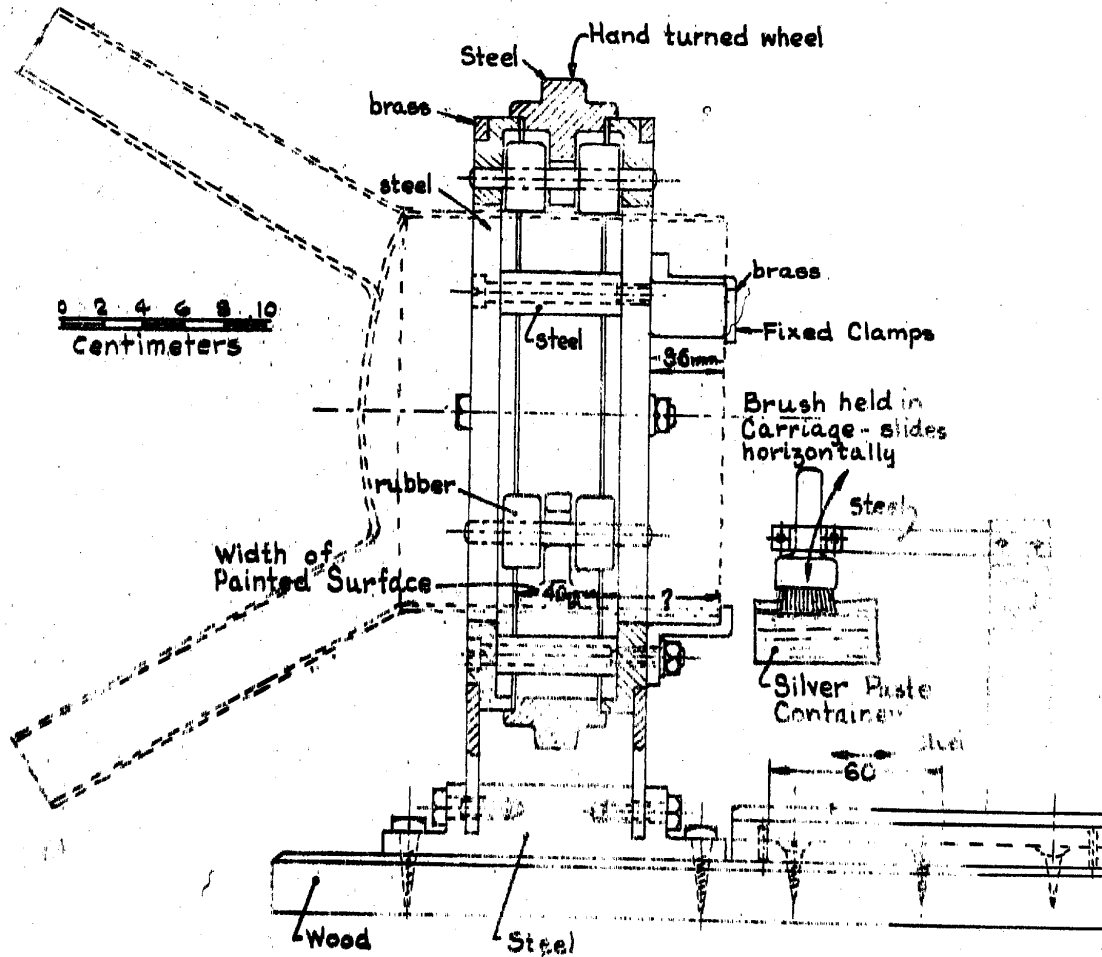
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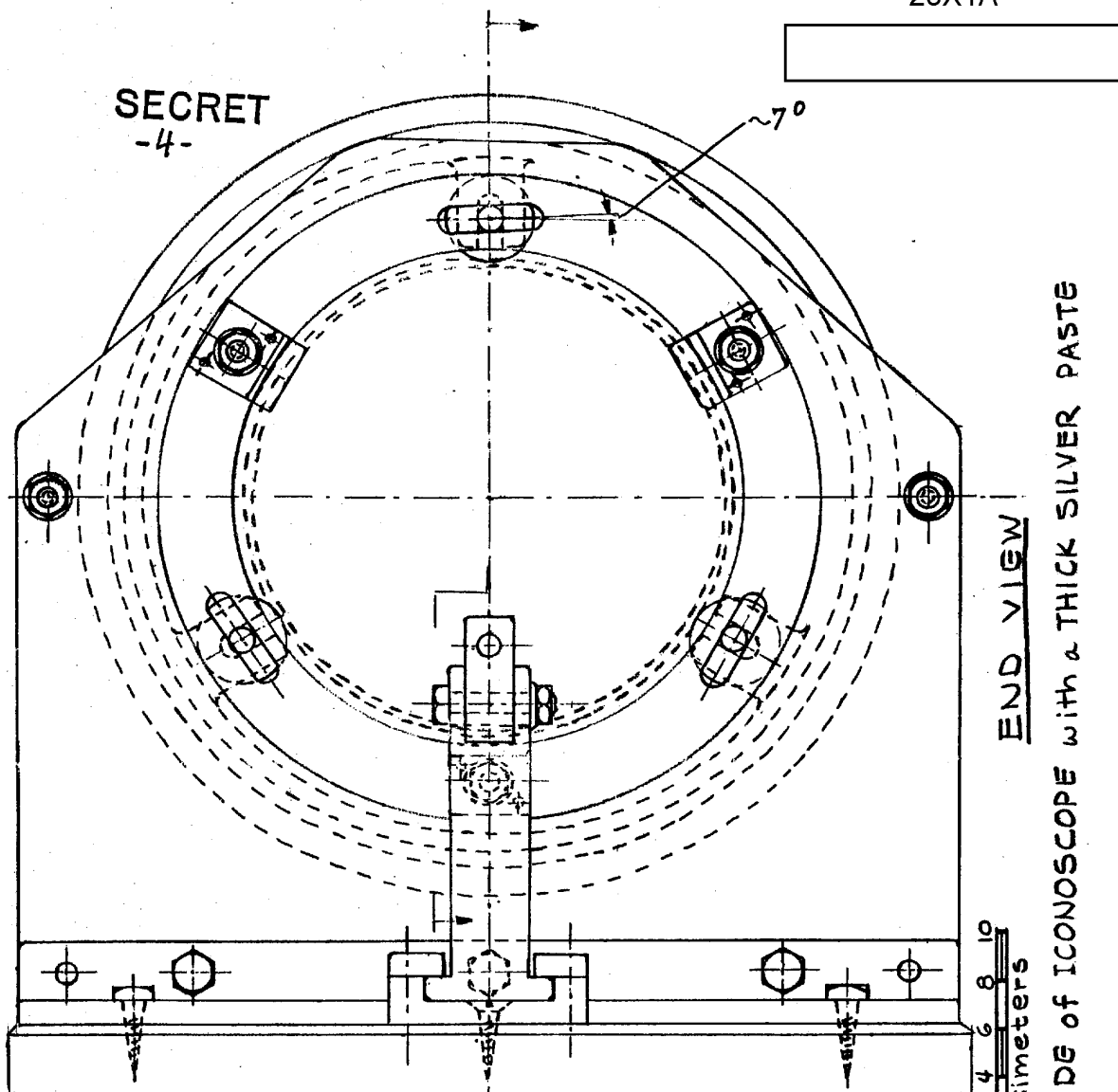
SIDE VIEW- DEVICE FOR PAINTING INSIDE OF
ICONOSCOPE with a THICK SILVER PASTE

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25X1A

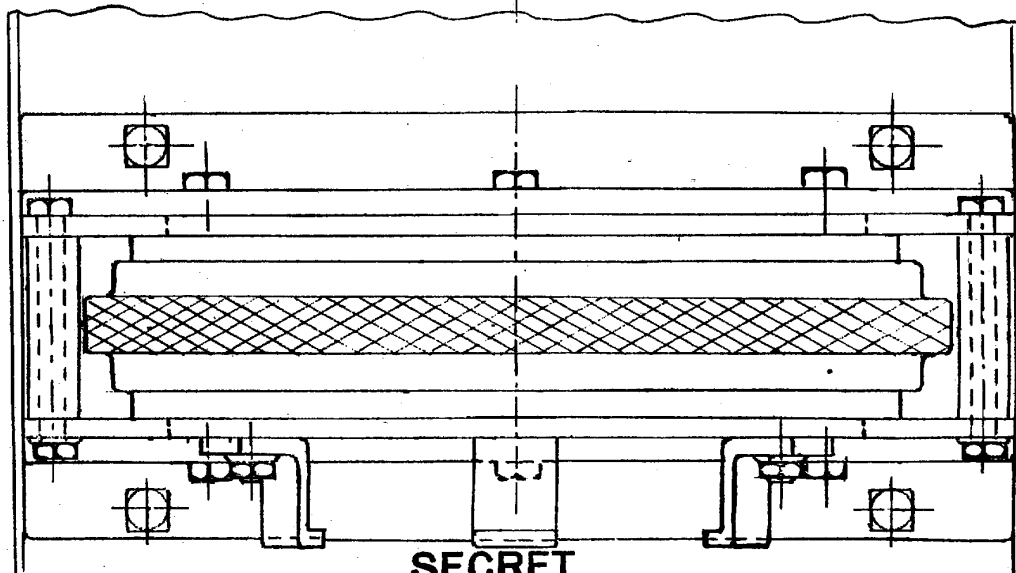
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END VIEW

DEVICE FOR PAINTING INSIDE OF ICONOSCOPE with a THICK SILVER PASTE



TOP VIEW

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